

Final Species Datasheet JamU+CaIU+SUK-Phase I

Datasheet No. A-240.001.016
(family.genus.species)

DBT-1

1. Taxon:

Species: *Acer sterculiaceum* Wall.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Acer sterculiaceum* subsp. *Sterculiaceum*, *A. sterculiaceum* var. *tomentosum* A.E.Murray, *A. villosum* Wall., *A. villosum* f. *sterculiaceum* (Wall.) Schwer.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Order: Sapindales Juss. Ex Bercht. & J. Presl
- Family: Sapindaceae Juss.
- Genus: *Acer* L.
- Species: *A. sterculiaceum* Wall.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Disciflorae
- Cohors: Sapindales Juss. Ex Bercht. & J. Presl
- Ordo: Sapindaceae Juss.
- Genus: *Acer* L.
- Species: *A. sterculiaceum* Wall.

4. Distribution:

Global: China, Nepal, Tibet, India

India: Northern parts

5. **Indigenous/Exotic/Endemic; Cultivated/Wild:** Cultivated/wild

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat:

8. Life Form:

9. **Economic Importance:** The leaves are packed around apples, rootcrops etc to help preserve them. Wood is used mainly for fuel

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. **Basic chromosome number(s):**

13. **Zygotic chromosome number(s):**

14. **Gametic chromosome number(s):** $n=13^9$

15. **Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):**

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocationsetc):